



METROPOLITAN STATE UNIVERSITYSM
OF DENVER

College of Professional Studies

Department of Computer Sciences, B.S.

Minor (not required)

Fall 2021 catalog year

First Year		
Fall: 18 Credits	Written Communication (3) ENG1010	
	COMM1010 (3) Presentational Speaking	
	CS 1030 (4) Computer Science Principles	
	CS 1050 (4) Computer Science I	
	MTH Prerequisite (4) - MTH1110	
Spring: 18 Credits	Written Communication (3) ENG 1020	
	Historical: Multicultural Recommended (3)	
	CS 2050 (4) Computer Science II	
	CS 1400 (4) Computer Organization I	
	MTH Prerequisite(4) - MTH1120	

Third Year		
Fall: 17-18 Credits	Social and Behavioral Sciences - Global Diversity Recomm. (3)	
	CS 3210 (4) Principles of Programming Languages	
	PHI 3370 (3) Computers, Ethics, and Society	
	MTH 3130 (4) Applied Methods in Linear Algebra	
	Req. Science/ GS Nat. Science: Approved Science (3-4)	
Spring: 14 Credits	Social and Behavioral Sciences (3)	
	Art and Humanities (3)	
	Upper Division CS Elective (4)	
	MTH 3120 (4) Probability and Statistics	

Second Year		
Fall: 16 Credits	CS 2400 (4) Computer Organization II	
	CS 3250 (4) Software Development Methods & Tools	
	CS2240 (4) Discrete Structures for Computer Science	
	MTH1410 (4) Calculus I	
Spring: 18 Credits	JMP 2610 (3) Technical Writing	
	Arts and Humanities (3)	
	CS 3600 (4) Operating Systems	
	CS3240 (4) Intro to Theory of Computation	
MTH2410 (4) Calculus II		

Fourth Year		
Fall: 11-13 Credits	Req. Science/GS Nat. Science - App. Science with lab (3-5)	
	Upper Division CS Elective (4)	
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Spring: 12 Credits	CS 4050 (4) Algorithms and Algorithm Analysts	
	Senior Experience (4) CS4260 - Software Engineering Practices OR CS 4360-Technical Software Project	
	Free Elective (4)	

1. This is not the only ordering of classes, but classes must be taken in an order that satisfies the prerequisites for subsequent classes.
2. All Prerequisite and Major/Minor/ Ancillary courses require a C- or greater.
3. A minimum of 7 credits are needed to meet the Science Requirement.
4. Take Free Electives as needed to meet the total 120 credit requirement.